

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"6243682".pn. and keyword\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 14:17
L2	0	"6243682".pn. and key\$4word\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 14:18
L3	1	"6243682".pn.	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:24
L4	1	"6658378".pn. and excit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:24
L5	1	"6658378".pn. and excit\$7 same dequant\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:25
L6	1	"6658378".pn. and (combin\$6 mix\$4 add\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:25
L7	1	"6658378".pn. and (combin\$6 mix\$4 add\$4) with (residual\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:28
L8	0	"7047186".pn. and dequant\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:28
L9	0	"7047186".pn. and de\$4quant\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:45
L10	0	"6658978".pn. and de\$4quant\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:45
L11	1	"6658378".pn. and de\$4quant\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:45
L12	1	"6658378".pn. and de\$4quant\$7 same LSP\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:46
L13	1	"6658378".pn. and de\$4quant\$7 same LSP\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:57
L14	1	"6658378".pn. and (additional\$6 more extra\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:57
L15	1	"6658378".pn. and (additional\$6 more extra\$4) with (residual\$4 error\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 16:06
L16	0	"6377916".pn. and de\$5quant\$8	US-PGPUB; USPAT	OR	OFF	2007/01/25 16:29
L17	2	("6658378" "7047186").pn.	US-PGPUB; USPAT	OR	OFF	2007/01/25 16:29
L18	1	("6658378" "7047186").pn. and multiplex\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 16:30
S1	605	allocat\$5 with additional\$4 near4 bit\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:33
S2	1	allocat\$5 with additional\$4 near4 bit\$4 with multi\$5stag\$6 near3 quant\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:15

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S3	453	multi\$5stag\$6 near3 quanti\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:12
S4	1	allocat\$5 with additional\$4 near4 bit\$4 same multi\$5stag\$6 near3 quanti\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:15
S5	11	allocat\$5 with additional\$4 near4 bit\$4 and multi\$5stag\$6 near3 quanti\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:15
S6	11	allocat\$5 with additional\$4 near4 bit\$4 and multi\$5stag\$6 near3 quanti\$7 and (cepstr\$6 spectr\$6)	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:16
S7	3	allocat\$5 with additional\$4 near4 bit\$4 and multi\$5stag\$6 near3 quanti\$7 and (cepstr\$6 spectr\$6) and excit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:17
S8	0	allocat\$5 with additional\$4 near4 bit\$4 and multi\$5stag\$6 near3 quanti\$7 and (cepstr\$6 spectr\$6) and excit\$7 and vocal45	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:17
S9	2	allocat\$5 with additional\$4 near4 bit\$4 and multi\$5stag\$6 near3 quanti\$7 and (cepstr\$6 spectr\$6) and excit\$7 and vocal\$5	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:17
S10	2	allocat\$5 with additional\$4 near4 bit\$4 and multi\$5stag\$6 near3 quanti\$7 and (cepstr\$6 spectr\$6) and excit\$7 and vocal\$5 near4 tract\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:18
S11	0	allocat\$5 with additional\$4 near4 bit\$4 and multi\$5stag\$6 near3 quanti\$7 and (cepstr\$6 spectr\$6) and excit\$7 and vocal\$5 near4 tract\$4 and error4	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:18
S12	2	allocat\$5 with additional\$4 near4 bit\$4 and multi\$5stag\$6 near3 quanti\$7 and (cepstr\$6 spectr\$6) and excit\$7 and vocal\$5 near4 tract\$4 and error\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:18
S13	0	allocat\$5 with additional\$4 near4 bit\$4 and multi\$5stag\$6 near3 quanti\$7 and (cepstr\$6 spectr\$6) and excit\$7 and vocal\$5 near4 tract\$4 and error\$4 and bit\$4stream\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:20

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S14	2	allocat\$5 with additional\$4 near4 bit\$4 and multi\$5stag\$6 near3 quanti\$7 and (cepstr\$6 spectr\$6) and excit\$7 and vocal\$5 near4 tract\$4 and error\$4 and bit\$4 near stream\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:24
S15	3780	multiplex\$6 with bit\$4 near stream\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:24
S16	115	multiplex\$6 with bit\$4 near stream\$4 and ((speech\$4 voic\$4) near signal\$4 with (spectr\$6 cepstr\$4))	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:25
S17	2	multiplex\$6 with bit\$4 near stream\$4 and ((speech\$4 voic\$4) near signal\$4 with (spectr\$6 cepstr\$4)) same vocal\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:25
S18	17	multiplex\$6 with bit\$4 near stream\$4 and ((speech\$4 voic\$4) near signal\$4 with (spectr\$6 cepstr\$4)) same excit\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:26
S19	472	allocat\$5 with additional\$4 near4 bit\$4 and transmi\$7 and receiv\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:41
S20	176	allocat\$5 with additional\$4 near4 bit\$4 and transmi\$7 and receiv\$6 and (spectr\$6 cepstr\$6)	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:41
S21	29	allocat\$5 with additional\$4 near4 bit\$4 and transmi\$7 and receiv\$6 and (spectr\$6 cepstr\$6) and excit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:42
S22	23	allocat\$5 with additional\$4 near4 bit\$4 and transmi\$7 and receiv\$6 and (spectr\$6 cepstr\$6) and excit\$7 and ((bit\$4 near stream\$5) or (bit\$5stream\$4))	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:43
S23	0	allocat\$5 with additional\$4 near4 bit\$4 and transmi\$7 and receiv\$6 and (spectr\$6 cepstr\$6) and excit\$7 and ((bit\$4 near stream\$5) or (bit\$5stream\$4)) and (quanti\$7)	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:43
S24	23	allocat\$5 with additional\$4 near4 bit\$4 and transmi\$7 and receiv\$6 and (spectr\$6 cepstr\$6) and excit\$7 and ((bit\$4 near stream\$5) or (bit\$5stream\$4)) and (quanti\$7)	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:43
S25	22	allocat\$5 with additional\$4 near4 bit\$4 and transmi\$7 and receiv\$6 and (spectr\$6 cepstr\$6) and excit\$7 and ((bit\$4 near stream\$5) or (bit\$5stream\$4)) and (quantiz\$9 quantiz\$7)	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:44

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S26	17	allocat\$5 with additional\$4 near4 bit\$4 and transmi\$7 and receiv\$6 and (spectr\$6 cepstr\$6) and excit\$7 and ((bit\$4 near stream\$5) or (bit\$5stream\$4)) and (quantis\$9 quantiz\$7) and multiplex\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:49
S27	30	allocat\$5 with (more\$4 added extra\$4 additional\$4) near4 bit\$4 and transmi\$7 and receiv\$6 and (spectr\$6 cepstr\$6) and excit\$7 and ((bit\$4 near stream\$5) or (bit\$5stream\$4)) and (quantis\$9 quantiz\$7) and multiplex\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 06:49
S28	29	allocat\$5 with (more\$4 added extra\$4 additional\$4) near2 bit\$4 and transmi\$7 and receiv\$6 and (spectr\$6 cepstr\$6) and excit\$7 and ((bit\$4 near stream\$5) or (bit\$5stream\$4)) and (quantis\$9 quantiz\$7) and multiplex\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:19
S29	0	allocat\$5 with (more\$4 added extra\$4 additional\$4) near2 bit\$4 with multistag\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:20
S30	1	allocat\$5 with (more\$4 added extra\$4 additional\$4) near2 bit\$4 with multistag\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:21
S31	1	allocat\$5 with (more\$4 added extra\$4 additional\$4) near2 bit\$4 same multistag\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:21
S32	176	(more\$4 added extra\$4 additional\$4) near2 bit\$4 same multistag\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:21
S33	95	(more\$4 added extra\$4 additional\$4) near2 bit\$4 with multistag\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:22
S34	1	(more\$4 added extra\$4 additional\$4) near2 bit\$4 with multistag\$6 same (quantiz\$7 quantis\$7)	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:22
S35	18	(more\$4 added extra\$4 additional\$4) near2 bit\$4 with multistag\$6 and (quantiz\$7 quantis\$7)	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:23
S36	16	(more\$4 added extra\$4 additional\$4) near2 bit\$4 with multistag\$6 and (quantiz\$7 quantis\$7) and error\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:42

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S37	18	(more\$4 added extra\$4 additional\$4) near2 bit\$4 with error\$6 and multi\$5stag\$6 with (quantiz\$7 quantis\$7)	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:42
S38	19	(more\$4 added extra\$4 additional\$4) near2 bit\$4 with (residual\$5 error\$6) and multi\$5stag\$6 with (quantiz\$7 quantis\$7)	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:52
S39	0	"6377916".pn. and LSP\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:54
S40	1	"20040054529".did.	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:53
S41	1	"20040054529".did. and LSP	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:53
S42	1	"20040054529".did. and LSP and linear\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:53
S43	1	"6377916".pn. and Lin\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:55
S44	0	"6377916".pn. and Lin\$4 near4 (spectr\$7 cepstr\$5)	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:07
S45	3137	LSP or (lin\$4 near (spectr\$7 cepstr\$7) near pair\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:56
S46	746	(lin\$4 near (spectr\$7 cepstr\$7) near pair\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:57
S47	356	(lin\$4 near (spectr\$7 cepstr\$7) near pair\$4) and (error\$4 residual\$4) with (quantis\$7 quantiz\$7)	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:59
S48	71	(lin\$4 near (spectr\$7 cepstr\$7) near pair\$4) and (error\$4 residual\$4) with (quantis\$7 quantiz\$7) and (unquantis\$7 with quanti\$7)	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:00
S49	68	(lin\$4 near (spectr\$7 cepstr\$7) near pair\$4) and (error\$4 residual\$4) with (quantis\$7 quantiz\$7) and (unquantis\$7 with quanti\$7) and excit\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:00
S50	63	(lin\$4 near (spectr\$7 cepstr\$7) near pair\$4) and (error\$4 residual\$4) with (quantis\$7 quantiz\$7) and (unquantis\$7 with quanti\$7) and excit\$6 and interpola\$8	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:01
S51	1	"6377916".pn. and pair\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:13
S52	1	"6377916".pn. and divi\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:13

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S53	1	"6377916".pn. and divi\$7 with (spectr\$6 cepstr\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:16
S54	1	"6377916".pn. and excit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:27
S55	1	"6377916".pn. and (quantit\$4 with unquant\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:22
S56	0	"6377916".pn. and multi\$4plex\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:22
S57	0	"6377916".pn. and "multi.plex"\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:22
S58	0	"6377916".pn. and multiplex\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:23
S59	4974	multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4))	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:39
S60	1	"6377916".pn. and (additional\$5 added more extra) near4 quantit\$8	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:29
S61	1	"6377916".pn. and standard\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:29
S62	0	"6377916".pn. and cexcit\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:31
S63	0	"6377916".pn. and 3excit\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:31
S64	1	"6377916".pn. and excit\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:32
S65	0	"6377916".pn. and excit\$6 same quantit\$7 and unquantit\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:32
S66	1	"6377916".pn. and excit\$6 same quantit\$7 and unquantit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:35
S67	1	"6377916".pn. and excit\$6 and quantit\$7 with unquantit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:35
S68	0	"6377916".pn. and excit\$6 same quantit\$7 with unquantit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:35
S69	2427	de\$4multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4))	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:39
S70	747	de\$4multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4)) same LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:41
S71	3	de\$4multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4)) same (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:40

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S72	16	de\$4multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4)) same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)) and (error\$4 residual\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:42
S73	16	de\$4multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4)) same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)) and (error\$4 residual\$4) and multi\$4plex\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:43
S74	1	de\$4multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4)) same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)) and (error\$4 residual\$4) and multi\$4plex\$4 same de\$4quanti\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:44
S75	1	de\$4multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4)) same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)) and (error\$4 residual\$4) and multi\$4plex\$4 and de\$4quanti\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:45
S76	0	de\$4multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4)) same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)) and (error\$4 residual\$4) and multi\$4plex\$4 and excit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 08:45
S77	16	de\$4multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4)) same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)) and (error\$4 residual\$4) and multi\$4plex\$4 and excit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:04
S78	20	de\$4multi\$4plex\$4 with (bit\$4stream\$4 or (bit\$4 near stream\$4)) same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4))	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:10
S79	20	(demux\$4 de\$4multi\$4plex\$4) with (bit\$4stream\$4 or (bit\$4 near stream\$4)) same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4))	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:01
S80	0	S79 not S78	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:01

## EAST Search History

S81	0	"7047186".pn. and (error\$4 residual\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:05
S82	0	"7047186".pn. and excit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:05
S83	1	"7047186".pn. and excit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:05
S84	29	de\$4quant\$8 same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4))	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:22
S85	0	"7047186".pn. and de\$4quant\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:13
S86	25	de\$4quant\$8 same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)) and excit\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:23
S87	22	de\$4quant\$8 same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)) and excit\$7 and (error\$4 residual\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:10
S88	5	de\$4quant\$8 same (LSP\$4 or (lin\$4 near (Spectr\$4 cepstr\$4) near pair\$4)) same excit\$7 same (error\$4 residual\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:06
S89	253	de\$4quant\$6 same multi\$4plex\$4	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:45
S90	0	de\$4quant\$6 same multi\$4plex\$4 same (psectr\$6 cepstr\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:45
S91	9	de\$4quant\$6 same multi\$4plex\$4 same (spectr\$6 cepstr\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:58
S92	2	de\$4quant\$6 same multi\$4plex\$4 same (spectr\$6 cepstr\$4) same excit\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:58
S93	1	de\$4quant\$6 same multi\$4plex\$4 same (spectr\$6 cepstr\$4) same excit\$6 same restor\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:58
S94	4	de\$4quant\$6 same multi\$4plex\$4 same (spectr\$6 cepstr\$4) and restor\$6	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:59